

MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

Manufacturer/Distributor : Kobo Products, Inc.
Address : 3474 South Clinton Avenue
South Plainfield, NJ 07080, USA
Emergency Telephone # : (908) 757-0033
Facsimile Number : (908) 757-0905
Trade Name : **COMPOSITE ACT-50**
INCI Name : Acrylates Copolymer (And) Titanium Dioxide (And) Hydrated Silica (And) Aluminum Hydroxide (And) Algin

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS #</u>	<u>EINECS #</u>
Acrylates Copolymer	25035-69-2, 25212-88-8, 25685-29-4, 159666-35-0	Polymer
Titanium Dioxide	13463-67-7	236-675-5
Hydrated Silica	112926-00-8	215-683-2
Aluminum Hydroxide	21645-51-2	244-492-7
Algin	9005-38-3, 57606-04-9	

SECTION 3: HAZARD IDENTIFICATION

No particular danger

SECTION 4: FIRST AID MEASURES

Emergency First Aid:

Eye Contact : Flush eyes with water for at least 15 min. See physician if irritation persists.
Skin Contact : Flush skin with soap and water for at least 15 min.
Ingestion : None needed for small amounts. In case of excessive ingestion, drink more than two glasses of water or milk and induce vomiting, and call a physician,

SECTION 5: FIRE FIGHTING MEASURES

Flash Point (Closed Cup) : N/A
Flammable Limits LEL/UEL % : N/A
Extinguishing Media : Dry Chemical, Foam, CO2
Special Fire Fighting Procedures : Extinguishing on intercepting air preferably.
Unusual Fire And Explosion Hazards : None.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions : Eye contact and excessive skin contact.
Environmental Precautions : Prevent material from contaminating soil or entering sewerage and drainage systems.
Spill response : Use appropriate NIOHS/MSHA approved respirator. Wear chemical gloves, goggles, and lab coat. Soak up with absorbent materials and clean up by cloth and thin wash by soap and water.

SECTION 7: HANDLING AND STORAGE

Handling : Use with adequate ventilation. Avoid contact with eyes. Wash thoroughly after handling and before mealtimes. Follow all MSDS and label precautions even after container is emptied since it may contain residual material.
Storage : Store containers closed in ambient location. Avoid high temperature and high humidity.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

<u>Exposure Levels:</u> <u>Component</u>	<u>OSHA</u>		<u>ACGIH</u>	
	<u>TWA</u>	<u>PEL</u>	<u>TWA</u>	<u>TLV</u>
TiO2	15 mg/m ³		10 mg/m ³	

Personal Protection:

Eye Protection : Safety glasses with side shields or goggles

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Skin Protection : Rubber gloves, wash at meals and end of shifts
 Respiratory Protection : No special protection is needed.
 Ventilation : Provide adequate general mechanical exhaust.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (°C) : N/A	Percent Volatile By Vol. (%) : 0
Freezing Point (°C) : N/A	Vapor Density (Air=1) : N/A
Melting Point (°C) : N/A	Evaporation Rate (Buac=1) : N/A
Vapor Pressure (mm Hg) : N/A	Solubility In Water : Insoluble
Specific Gravity (H ₂ O=1) : N/A	Appearance & Odor : White to off-white powder, characteristic odor

SECTION 10: STABILITY AND REACTIVITY

Stable : Stable
 Hazardous Polymerization : None
 Incompatibility : Strong acids and strong oxidizing agents.
 Hazardous Decomposition Products : Incomplete combustion can produce carbon monoxide, carbon dioxide and nitrous dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

Titanium Dioxide*

Skin Irritation : Dermal LD₅₀ > 10 g/kg (rabbit)
 Primary Eye Irritation : Non-irritating, Draize score = 0.00 (rabbit)
 Acute Oral Toxicity : Non-toxic, LD₅₀ > 25 g/kg (rat)
 Inhalation LC₅₀ : >6.82 mg/L (4 hour)
 *: Trochimowicz.. et. Al., J. Appl. Tox., 8, 383-385 (1998)

Chronic Effects on Humans **CARCINOGENIC EFFECTS:** Classified None by NIOSH [Titanium Dioxide]. Classified A4 (not classifiable for human or animal) by ACGIH. Classifiable Group 2B (possibly carcinogenic to humans) by IARC [Titanium Dioxide].
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available.
 Repeated or prolonged exposure to the substance at concentrations above exposure limits may cause respiratory damage.
 Target Organs: eyes, lungs, skin.

Acute Effects on Humans May cause skin, eye, and respiratory irritation.
Sensitization Repeated or prolonged exposure to the substance at concentrations above the exposure limits may cause respiratory tract and lung sensitization.
Carcinogenic Effects This material is not known to cause cancer in animals or humans.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity of the Products of Biodegradation : N/A

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of according to all federal, state and local regulations.

SECTION 14: TRANSPORT INFORMATION

DOT Classification : Not regulated
 TDG Classification : Not regulated
 IMO/IMDG Classification : Not regulated
 ICAO/IATA Classification : Not regulated

SECTION 15: REGULATORY INFORMATION

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No information is available.

SECTION 16: OTHER INFORMATION

Hazardous Material Information System (U.S.A.) [Ratings Key: 4= Highest hazard, 0= Lowest hazard]

Health	1
Fire Hazard	0
Reactivity	0
Personal Protection	C

Date Prepared : September 8, 2011

Note: The statements made here are intended to describe the product with regard to necessary safety precautions. They do not guarantee special characteristics. This information is furnished without warranty, expressed or implied, except that it is accurate to the best of our current knowledge.